



Deval L. Patrick, Governor  
Timothy P. Murray, Lt. Governor  
Richard A. Davey, Secretary & CEO

**massDOT**  
Massachusetts Department of Transportation

September 24, 2012

MuckRock News  
DEPT MR 1577  
P.O. Box 55819  
Boston, MA 02205-5819

RE: Public Records Request for roadway condition reports on a monthly basis for both the Metropolitan Highway System and the Western Turnpike starting in 2009 until the most recent available, Case#12-0580

Dear Sir or Madam:

Enclosed please find copies of annual Pavement Condition Reports for 2010 and 2011; the Massachusetts Department of Transportation does not do monthly assessments.

Thank you for your attention to this matter.

Thank you,

Maryellen Lyons  
Deputy General Counsel

Enclosure: Public Records Response

**2010 Pavement Condition of Massachusetts Turnpike (Center Line Miles)  
Overall Pavement Condition (Pavement Serviceability Index)\***

Condition	PSI Range	DISTRICT 1		DISTRICT 2		DISTRICT 3		DISTRICT 4		DISTRICT 5		DISTRICT 6		TOTALS	
		Miles	Pct.	Miles	Pct.	Miles	Pct.	Miles	Pct.	Miles	Pct.	Miles	Pct.	Miles	Pct.
MassPike:															
Total:	3.5 - 5.0	8.17	22.4%	17.71	46.2%	27.78	58.8%					9.92	56.0%	63.58	45.5%
Excellent	3.0 - 3.5	5.22	14.3%	5.49	14.3%	6.90	14.6%					1.38	7.8%	18.99	13.6%
Good	2.5 - 3.0	22.70	62.2%	8.93	23.3%	9.62	20.4%					4.03	22.8%	45.28	32.4%
Fair	0.0 - 2.5	0.40	1.1%	6.24	16.2%	2.92	6.2%					2.37	13.4%	11.93	8.5%
Poor															
Total:		36.49	100.0%	38.37	100.0%	47.22	100.0%					17.70	100.0%	139.78	100.0%

**Roughness (International Roughness Index)\***

Condition	IRI Range	DISTRICT 1		DISTRICT 2		DISTRICT 3		DISTRICT 4		DISTRICT 5		DISTRICT 6		TOTALS	
		Miles	Pct.	Miles	Pct.	Miles	Pct.	Miles	Pct.	Miles	Pct.	Miles	Pct.	Miles	Pct.
MassPike:															
Total:	0 - 95	26.35	72.2%	29.32	76.5%	36.71	77.7%					11.24	63.5%	103.62	74.1%
Excellent	95 - 120	7.81	21.4%	5.12	13.3%	6.19	13.1%					1.24	7.0%	20.36	14.6%
Good	120 - 171	2.15	5.9%	3.11	8.1%	3.66	7.8%					2.83	16.0%	11.75	8.4%
Fair	>171	0.18	0.5%	0.82	2.1%	0.66	1.4%					2.39	13.5%	4.05	2.9%
Poor															
Total:		36.49	100.0%	38.37	100.0%	47.22	100.0%					17.70	100.0%	139.78	100.0%

**DISTRESSES**

Condition	DI Range	DISTRICT 1 Miles Pct.	DISTRICT 2 Miles Pct.	DISTRICT 3 Miles Pct.	DISTRICT 4 Miles Pct.	DISTRICT 5 Miles Pct.	DISTRICT 6 Miles Pct.	TOTALS Miles Pct.
MassPike:								
Total:								
Excellent	3.5 - 5.0	8.94 24.5%	17.92 46.7%	29.03 61.5%		14.30 80.8%	70.19 50.2%	
Good	3.0 - 3.5	5.36 14.7%	5.90 15.4%	6.52 13.8%		1.22 6.9%	19.00 13.6%	
Fair	2.5 - 3.0	21.97 60.2%	8.74 22.8%	9.30 19.7%		2.15 12.1%	42.16 30.2%	
Poor	0.0 - 2.5	0.22 0.6%	5.81 15.1%	2.37 5.0%		0.03 0.2%	8.43 6.0%	
Total:		36.49 100.0%	38.37 100.0%	47.22 100.0%		17.70 100.0%	139.78 100.0%	

**RUTTING**

Condition	RUT	DISTRICT 1		DISTRICT 2		DISTRICT 3		DISTRICT 4		DISTRICT 5		DISTRICT 6		TOTALS	
	Range	Miles	Pct.	Miles	Pct	Miles	Pct.	Miles	Pct.	Miles	Pct.	Miles	Pct.	Miles	Pct.
MassPike: Total: EXC/GD FAIR POOR															
	2.72 - 5.0	35.76	98.0%	37.95	98.9%	46.88	99.3%					17.67	99.8%	138.26	98.9%
	2.2 - 2.72	0.69	1.9%	0.42	1.1%	0.34	0.7%					0.03	0.2%	1.48	1.1%
	0 - 2.2	0.04	0.1%	0.00	0.0%	0.00	0.0%					0.00	0.0%	0.04	0.0%
	Total:	36.49	100.0%	38.37	100.0%	47.22	100.0%					17.70	100.0%	139.78	100.0%

\*Bridge Section have been excluded from final analysis

2010 Pavement Condition of Massachusetts Turnpike (Lane Miles)  
Overall Pavement Condition (Pavement Serviceability Index)\*

Condition	PSI Range	DISTRICT 1		DISTRICT 2		DISTRICT 3		DISTRICT 4		DISTRICT 5		DISTRICT 6		TOTALS	
		Miles	Pct.	Miles	Pct.	Miles	Pct.	Miles	Pct.	Miles	Pct.	Miles	Pct.	Miles	Pct.
MassPike:															
Total:	3.5 - 5.0	36.57	23.9%	70.89	46.2%	156.52	56.9%					69.06	59.7%	333.04	47.8%
Excellent	3.0 - 3.5	21.73	14.2%	21.64	14.1%	41.52	15.1%					9.88	8.5%	94.77	13.6%
Good	2.5 - 3.0	92.89	60.7%	35.91	23.4%	59.29	21.6%					22.97	19.8%	211.06	30.3%
Fair	0.0 - 2.5	1.84	1.2%	25.04	16.3%	17.55	6.4%					13.94	12.0%	58.37	8.3%
Poor												115.85	100.0%	697.24	100.0%
Total:		153.03	100.0%	153.48	100.0%	274.88	100.0%								

Roughness (International Roughness Index)\*

Condition	IRI Range	DISTRICT 1		DISTRICT 2		DISTRICT 3		DISTRICT 4		DISTRICT 5		DISTRICT 6		TOTALS	
		Miles	Pct.	Miles	Pct.	Miles	Pct.	Miles	Pct.	Miles	Pct.	Miles	Pct.	Miles	Pct.
MassPike:															
Total:	0 - 95	111.41	72.8%	117.07	76.3%	210.11	76.5%					78.32	67.6%	516.91	74.2%
Excellent	95 - 120	32.44	21.2%	20.43	13.3%	37.39	13.6%					8.20	7.1%	98.46	14.1%
Good	120 - 171	8.57	5.6%	12.60	8.2%	23.16	8.4%					15.09	13.0%	59.42	8.5%
Fair	>171	0.61	0.4%	3.38	2.2%	4.22	1.5%					14.24	12.3%	22.45	3.2%
Poor	Total:	153.03	100.0%	153.48	100.0%	274.88	100.0%					115.85	100.0%	697.24	100.0%

DISTRESSES

Condition	DI	DISTRICT 1		DISTRICT 2		DISTRICT 3		DISTRICT 4		DISTRICT 5		DISTRICT 6		TOTALS	
	Range	Miles	Pct.	Miles	Pct	Miles	Pct.	Miles	Pct.	Miles	Pct.	Miles	Pct.	Miles	Pct.
MassPike:															
Total:															
Excellent	3.5 - 5.0	41.17	26.9%	71.64	46.7%	164.14	59.7%					93.11	80.4%	370.06	53.1%
Good	3.0 - 3.5	22.19	14.5%	23.03	15.0%	38.89	14.1%					8.57	7.4%	92.68	13.3%
Fair	2.5 - 3.0	88.75	58.0%	35.47	23.1%	56.83	20.7%					13.67	11.8%	194.72	27.9%
Poor	0.0 - 2.5	0.92	0.6%	23.34	15.2%	15.02	5.5%					0.50	0.4%	39.78	5.7%
	Total:	153.03	100.0%	153.48	100.0%	274.88	100.0%					115.85	100.0%	697.24	100.0%

RUTTING

Condition	RUT	DISTRICT 1		DISTRICT 2		DISTRICT 3		DISTRICT 4		DISTRICT 5		DISTRICT 6		TOTALS	
	Range	Miles	Pct.	Miles	Pct.	Miles	Pct.	Miles	Pct.	Miles	Pct.	Miles	Pct.	Miles	Pct.
MassPike:															
Total:	2.72 - 5.0	148.59	97.1%	151.96	99.0%	272.93	99.3%			115.85	100.0%	689.33	98.9%		
EXC/GD	2.2 - 2.72	4.13	2.7%	1.52	1.0%	1.95	0.7%			0.00	0.0%	7.60	1.1%		
FAIR	0.0 - 2.2	0.31	0.2%	0.00	0.0%	0.00	0.0%			0.00	0.0%	0.31	0.0%		
POOR										115.85	100.0%	697.24	100.0%		
	Total:	153.03	100.0%	153.48	100.0%	274.88	100.0%								

\* Bridge Section have been excluded from final analysis

2011 Pavement Condition of Massachusetts Turnpike (Center Line Miles)  
Overall Pavement Condition (Pavement Serviceability Index)\*

Condition	PSI Range	DISTRICT 1		DISTRICT 2		DISTRICT 3		DISTRICT 4		DISTRICT 5		DISTRICT 6		TOTALS	
		Miles	Pct.	Miles	Pct.	Miles	Pct.	Miles	Pct.	Miles	Pct.	Miles	Pct.	Miles	Pct.
Mass Pike	3.5 - 5.0	8.36	22.9%	20.91	54.5%	27.39	58.0%					10.27	58.0%	66.93	47.9%
Excellent	3.0 - 3.5	5.44	14.9%	1.23	3.2%	3.84	8.1%					3.03	17.1%	13.54	9.7%
Good	2.5 - 3.0	17.22	47.2%	7.77	20.3%	5.59	11.9%					1.98	11.2%	32.56	23.3%
Fair	2.0 - 2.5	5.47	15.0%	8.46	22.0%	10.40	22.0%					2.42	13.7%	26.75	19.1%
Poor	Subtotal:	36.49	100.0%	38.37	100.00%	47.22	100.00%					17.70	100.00%	139.78	100.00%

Roughness (International Roughness Index)\*

Condition	IRI Range	DISTRICT 1		DISTRICT 2		DISTRICT 3		DISTRICT 4		DISTRICT 5		DISTRICT 6		TOTALS	
		Miles	Pct.	Miles	Pct.	Miles	Pct.	Miles	Pct.	Miles	Pct.	Miles	Pct.	Miles	Pct.
Mass Pike	0 - 95	8.36	22.9%	34.51	89.9%	39.99	84.7%					12.86	72.7%	95.72	68.5%
Excellent	95 - 120	5.44	14.9%	2.72	7.1%	5.12	10.8%					2.15	12.1%	15.43	11.0%
Good	120 - 171	17.22	47.2%	1.00	2.6%	1.92	4.1%					1.43	8.1%	21.57	15.4%
Fair	>171	5.47	15.0%	0.14	0.4%	0.19	0.4%					1.26	7.1%	7.06	5.1%
Poor	Subtotal:	36.49	100.0%	38.37	100.0%	47.22	100.0%					17.7	100.0%	139.78	100.0%

Distress (Distress Index)\*

Condition	DI Range	DISTRICT 1		DISTRICT 2		DISTRICT 3		DISTRICT 4		DISTRICT 5		DISTRICT 6		TOTALS	
		Miles	Pct.	Miles	Pct.	Miles	Pct.	Miles	Pct.	Miles	Pct.	Miles	Pct.	Miles	Pct.
Mass Pike	3.5 - 5.0	8.36	22.9%	21.29	55.5%	27.58	58.4%					13.73	77.6%	70.96	50.8%
Excellent	3.0 - 3.5	5.44	14.9%	0.89	2.3%	3.88	8.2%					1.73	9.8%	11.94	8.5%
Good	2.5 - 3.0	17.22	47.2%	7.81	20.4%	5.74	12.2%					0.73	4.1%	31.50	22.5%
Fair	2.0 - 2.5	5.47	15.0%	8.38	21.8%	10.02	21.2%					1.51	8.5%	25.38	18.2%
Poor	Subtotal:	36.49	100.0%	38.37	100.0%	47.22	100.0%					17.70	100.0%	139.78	100.0%

Rutting (Pavement Rutting Index)\*

Condition	PRI Range	DISTRICT 1		DISTRICT 2		DISTRICT 3		DISTRICT 4		DISTRICT 5		DISTRICT 6		TOTALS	
		Miles	Pct.	Miles	Pct.	Miles	Pct.	Miles	Pct.	Miles	Pct.	Miles	Pct.	Miles	Pct.
Mass Pike	2.72 - 5.0	35.36	96.9%	37.83	98.6%	46.37	98.2%					17.51	98.9%	137.07	98.1%
Excellent	2.2 - 2.72	0.99	2.7%	0.49	1.3%	0.60	1.3%					0.19	1.1%	2.27	1.6%
Fair	0.0 - 2.2	0.14	0.4%	0.05	0.1%	0.25	0.5%					0.00	0.0%	0.44	0.3%
Poor	Subtotal:	36.49	100.0%	38.37	100.0%	47.22	100.0%					17.70	100.0%	139.78	100.0%

\* Bridge Section have been excluded from final analysis

2011 Pavement Condition of Massachusetts Turnpike (Lane Miles)  
Overall Pavement Condition (Pavement Serviceability Index)\*

Condition	PSI Range	DISTRICT 1		DISTRICT 2		DISTRICT 3		DISTRICT 4		DISTRICT 5		DISTRICT 6		TOTALS	
		Miles	Pct.	Miles	Pct.	Miles	Pct.	Miles	Pct.	Miles	Pct.	Miles	Pct.	Miles	Pct.
Mass Pike	3.5 - 5.0	36.27	23.7%	83.02	54.1%	154.54	56.2%					74.27	64.1%	348.10	50.0%
Excellent	3.0 - 3.5	23.41	15.3%	4.74	3.1%	21.98	8.0%					16.32	14.1%	66.45	9.5%
Good	2.5 - 3.0	71.16	46.5%	31.30	20.4%	32.37	11.8%					11.79	10.2%	146.62	21.0%
Fair	0.0 - 2.5	22.19	14.5%	34.42	22.4%	65.99	24.0%					13.47	11.6%	136.07	19.5%
Poor															
Subtotal:		153.03	100.0%	153.48	100.0%	274.88	100.0%					115.85	100.0%	697.24	100.0%

Roughness (International Roughness Index)\*

Condition	IRI Range	DISTRICT 1		DISTRICT 2		DISTRICT 3		DISTRICT 4		DISTRICT 5		DISTRICT 6		TOTALS	
		Miles	Pct.	Miles	Pct.	Miles	Pct.	Miles	Pct.	Miles	Pct.	Miles	Pct.	Miles	Pct.
Mass Pike	0 - 95	134.82	88.1%	137.96	89.9%	228.53	83.2%					91.76	79.3%	593.07	85.1%
Excellent	95 - 120	14.39	9.4%	10.76	7.0%	33.66	12.2%					10.46	9.0%	69.27	9.9%
Good	120 - 171	3.21	2.1%	4.15	2.7%	11.32	4.1%					7.55	6.5%	26.23	3.8%
Fair	>171	0.61	0.4%	0.61	0.4%	1.37	0.5%					6.08	5.2%	8.67	1.2%
Poor															
Subtotal:		153.03	100.0%	153.48	100.0%	274.88	100.0%					115.85	100.0%	697.24	100.0%

Distress (Distress Index)\*

Condition	DI Range	DISTRICT 1		DISTRICT 2		DISTRICT 3		DISTRICT 4		DISTRICT 5		DISTRICT 6		TOTALS	
		Miles	Pct.	Miles	Pct.	Miles	Pct.	Miles	Pct.	Miles	Pct.	Miles	Pct.	Miles	Pct.
Mass Pike	3.5 - 5.0	39.94	26.1%	84.84	55.3%	154.21	56.1%					90.94	78.5%	369.93	53.1%
Excellent	3.0 - 3.5	25.86	16.9%	3.05	2.0%	23.11	8.4%					10.59	9.1%	62.61	9.0%
Good	2.5 - 3.0	66.57	43.5%	31.16	20.3%	33.79	12.3%					5.10	4.4%	136.62	19.6%
Fair	0.0 - 2.5	20.66	13.5%	34.43	22.4%	63.77	23.2%					9.22	8.0%	128.08	18.3%
Poor															
Subtotal:		153.03	100.0%	153.48	100.0%	274.88	100.0%					115.85	100.0%	697.24	100.0%

Rutting (Pavement Rutting Index)\*

Condition	PRI Range	DISTRICT 1		DISTRICT 2		DISTRICT 3		DISTRICT 4		DISTRICT 5		DISTRICT 6		TOTALS	
		Miles	Pct.	Miles	Pct.	Miles	Pct.	Miles	Pct.	Miles	Pct.	Miles	Pct.	Miles	Pct.
Mass Pike	2.72 - 5.0	146.60	95.8%	151.66	98.8%	270.95	98.6%					114.88	99.2%	684.09	98.1%
ExGood	2.2 - 2.72	5.51	3.6%	1.52	1.0%	3.38	1.2%					0.97	0.8%	11.38	1.6%
Fair	0.0 - 2.2	0.92	0.6%	0.30	0.2%	0.55	0.2%					0.00	0.0%	1.77	0.3%
Poor															
Subtotal:		153.03	100.0%	153.48	100.0%	274.88	100.0%					115.85	100.0%	697.24	100.0%

\*Bridge Section have been excluded from final analysis